

CLAIMS

What is claimed is:

1. A communication apparatus having a one-way speakerphone function comprising:
a handset connected to the communication apparatus by a transmit-receive line,
wherein the transmit-receive line is enabled when the handset of the communication apparatus is off-hook ;

a speaker outputting a sound of the handset communication;

an input key part comprising a selection key for the one-way speakerphone function and a plurality of dial keys; and

a central control device controlling the one-way speakerphone function;

wherein a conversation signal is transmitted through the speaker in response to the handset being off-hook, the one-way speakerphone function selection key signal being input, and dialing being completed.

2. The communication apparatus having a one-way speakerphone function of claim 1, wherein when the dial key signal is not input within a predetermined time of the handset being off-hook and with the one-way speakerphone function selection key signal being input, the central control device switches to an on-hook dial mode in which a user dials with the handset being on-hook, and the conversation signal is output through the speaker.

3. A method of controlling a communication apparatus having a one-way speakerphone function, the method comprising :

detecting whether a handset, which is connected to the communication apparatus through a transmit/receive line, is off-hook;

detecting whether a signal of a one-way speakerphone function selection key in an input key part of the communication apparatus is input;

opening the transmit-receive line of the handset when detected that the handset is off-hook and the one-way speakerphone selection key signal is input;

detecting whether a signal of a dial key in the input key part is input within a predetermined time;

determining whether a dialing is completed; and

upon determining that the dialing has been completed, opening a line connected to a speaker of the communication apparatus and performing a one-way speakerphone function to output a sound through the speaker during the handset conversation.

4. The method of controlling a communication apparatus having a one-way speakerphone function of claim 3, further comprising switching to an on-hook dial mode when the dial key signal is not input within the predetermined time, in which a user dials with the transmit-receive line of the handset being blocked and with the handset being on-hook, and then a conversation signal is output through the speaker.

5. The method of controlling a communication apparatus having a one-way speakerphone function of claim 3, wherein the dialing is determined to be completed when a next dial key signal is not input within a predetermined time after a current dial key signal is input.

6. A communication apparatus having a one-way speakerphone function comprising:
a handset connected to the communication apparatus by a transmit-receive line;
a speaker; and
a control device controlling the one-way speakerphone function;
wherein a signal is not transmitted through the speaker until a dialing has been completed.

7. The communication apparatus of claim 6, wherein the transmit-receive line is enabled when the handset is off-hook.

8. The communication apparatus of claim 7, further comprising an input key part comprising a selection key for the one-way speakerphone function and a plurality of dial keys.

9. The communication apparatus of claim 8, wherein a conversation signal is transmitted through the speaker when the handset is off-hook and the one-way speakerphone function key is selected.

10. The communication apparatus of claim 8, wherein the control device switches to an on-hook dial mode when the one-way speakerphone function key is selected and a dial key signal is not input within a predetermined time of the handset being off-hook.

11. The communication apparatus of claim 10, wherein the conversation signal is output through the speaker, with the handset being on-hook, when operating in the on-hook dial mode.

12. The communication apparatus of claim 6, wherein a line interface unit opens or blocks the transmit-receive line of the handset, and allows a transmit-receive signal to be output through the speaker, under control of the control device.

13. The communication apparatus of claim 6, further comprising a personal computer interface coupling a personal computer to the control device.

14. The communication apparatus of claim 13, wherein the personal computer interface interfaces the communication apparatus and the personal computer to transmit information therebetween.

15. The communication apparatus of claim 6, further comprising a memory device that stores user data and a program for the control device.

16. The communication apparatus of claim 15, wherein the memory device comprises a ROM and a DRAM.

17. A method of controlling a communication apparatus having a one-way speakerphone function, the method comprising:

opening a transmit-receive line of a handset connected to the communication apparatus when the handset is taken off-hook;

determining whether a one-way speakerphone mode has been selected; and

upon determining that a dialing has been completed, opening a line connected to a speaker of the communication apparatus and performing the one-way speakerphone function to output a sound through the speaker during the handset conversation.

18. The method of controlling a communication apparatus having a one-way speakerphone function of claim 17, wherein the dialing is determined to be completed when a next dial key signal is not input within a predetermined time after a current dial key signal is input.

19. The method of controlling a communication apparatus having a one-way speakerphone function of claim 17, further comprising switching to an on-hook dialing mode when a dial key signal is not input within a predetermined time after the handset is taken off-hook and the one-way speakerphone mode has been selected.

20. The method of controlling a communication apparatus having a one-way speakerphone function of claim 19, wherein the on-hook dialing mode allows a user to communicate with another party through the speaker while the handset is on-hook.

21. A machine-readable storage storing information enabling a device to perform a process of controlling a communication apparatus, the process comprising:

- opening a transmit-receive line of a handset connected to the communication apparatus when the handset is taken off-hook;

- determining whether a one-way speakerphone mode has been selected; and

- upon determining that a dialing has been completed, opening a line connected to a speaker of the communication apparatus and performing the one-way speakerphone function to output a sound through the speaker during the handset conversation.